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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/745,073

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Matthew Kochumalayil Chacko

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EXAMINER

ADAMS, JONATHAN R

ART UNIT

PAPER NUMBER

2134

6

DATE MAILED: 07/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/745,073

Applicant(s)

CHACKO ET AL.

Examiner

Jonathan R Adams

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 19 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☐ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-37 rejected under 35 U.S.C. 103(a) as being unpatentable over Devine et al., US Patent Application No 09/159514 (hereafter referred to as '514) in view of Lagarde et al., US Patent No 5745754 (hereafter referred to as '754).

As to claim 1:

3. '514 teaches a security system for controlling access to a web site comprising:
- A security module for controlling access to web pages / Back end services to provide applications that establish user sessions, govern user authentication and their entitlements (Page 3, Paragraph 0051, '514), "Back-end Services" (Fig 1, '514)
  - An external web server for servicing requests for web pages from the external network/ Web Server (Fig 1, Element 24, '514)
  - A site firewall for receiving requests for web pages from the external network and forwarding / Firewall (Fig 1, between elements 15 and 24, '514)

- A security firewall for receiving a security request from external web server / web server decrypts and verifies the user session, then forwards the message through a firewall (Page 5, Paragraph 0067, '514)

4. '514 further teaches the use of internal servers to supplement the web server and for internal servers to utilize the back end services/security module. '514 does not teach the use of internal clients accessing an internal web server. '754 teaches a network arrangement with internal/external web servers, internal/external clients, and firewall mechanisms. It would have been obvious to a person of ordinary skill in the art at the time of invention to modify '514 to use internal network clients and servers as in '754, and to utilize the existing relationship between the internal servers and back end services/security module. One of ordinary skill in the art would have been motivated to invention to modify '514 to use internal network clients and servers as in '754, and to utilize the existing relationship between the internal servers and back end services/security module because it is helpful for internal machines to have the ability to request resources from the web server without the performance penalties of access through a firewall.

5. As to claims 2 and 3:

Legitimate request for a web page is an HTTP/HTTPs request / the present invention is implemented with a secure version of HTTP, such as HTTPS (Page 5, Paragraph 066, Line 16, '514)

6. As to claim 4:

The security system of claim 1 wherein the external network is the Internet / Internet  
(Fig 1, Element 15, '514)

7. As to claim 5:

External and Internal web servers include a module for interfacing to the security  
module / Back end services provide applications ... that communicate with adaptor  
programs (Page 3, Paragraph 0055, '514)

8. As to claim 6:

'514 as modified above teaches a security system for controlling access to a web site  
including internal and external servers. '514 does not teach for the internal servers and  
external servers to implement the same web site. '754 teaches the capability of  
accessing 131 and 131' for similar functionality (Col 19, Line 10, '754), but does not  
specifically state that the servers should implement the same web pages. The  
examiner takes official notice as to implementing the same web pages on both internal  
and external servers. It would have been obvious to a person of ordinary skill in the art  
at the time of invention to implement the same web pages on both internal and external  
servers. One of ordinary skill in the art would have been motivated to implement the  
same web pages on both internal and external servers because it is very commonly  
known that web servers are capable of storing arbitrary web pages and many

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technologies exist for web site redundancy. Examples include co-location and server backup sites.

9. As to claim 7:

Security module provides authentication services / Back end services to provide applications that establish user sessions, govern user authentication (Page 3, Paragraph 0051, '514)

10. As to claim 8:

Security module provides authorization services / Back end services to provide applications that establish user sessions, govern user authentication and their entitlements (Page 3, Paragraph 0051, '514)

11. As to claim 9:

Security request is received by the security firewall through a designated IP address and port number / a subscriber connects to the web site by entering the appropriate URL a secure TCP/IP communications link is established (Page 13, Paragraph 0141, '514), IP address and port number connectivity are inherent to TCP/IP

12. As to claim 10:

'514 teaches a security system for controlling access to a web site comprising:

- Receiving requests to access resources / Customer requested data (Page 3, Paragraph 0050, '514)
- When access is approved, granting access to requested resource / Back end services to provide applications that establish user sessions, govern user authentication and their entitlements (Page 3, Paragraph 0051, '514), "Back-end Services" (Fig 1, '514)

13. '514 further teaches the use of internal servers to supplement the web server and for internal servers to utilize the back end services/security module. '514 does not teach the use of internal clients accessing an internal web server. '754 teaches a network arrangement with internal/external web servers, internal/external clients, and firewall mechanisms. It would have been obvious to a person of ordinary skill in the art at the time of invention to modify '514 to use internal network clients and servers as in '754, and to utilize the existing relationship between the internal servers and back end services/security module. One of ordinary skill in the art would have been motivated to invention to modify '514 to use internal network clients and servers as in '754, and to utilize the existing relationship between the internal servers and back end services/security module because it is helpful for internal machines to have the ability to request resources from the web server without the performance penalties of access through a firewall.

14. As to claim 11:

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Where the requests from external network are passed through a firewall / Firewall (Fig 1, between elements 15 and 24, '514)

A security firewall for receiving a security request from external web server before being processed by security module / web server decrypts and verifies the user session, then forwards the message through a firewall (Page 5, Paragraph 0067, '514), (Fig 1, Element 16, '514)

15. As to claim 12:

Requests received from the internal network are not passed through a site firewall or security firewall / Inherent to the invention of '514 as modified above (Fig 1, '514)

16. As to claim 13:

Requests received from the external network and requests received from the internal network are processed by different servers / Inherent to the internal/external server configuration for the invention of '514 as modified above

17. As to claim 14:

Where servers are web servers / Web servers (Fig 1, Element 24, '514)

18. As to claim 15:

Where server are web server / Web servers (Fig 1, Element 24, '514)



19. As to claim 16:

Resources are web pages / Web servers (Fig 1, Element 24, '514)

20. As to claim 17:

External network is the Internet / Internet (Fig 1, Element 15, '514)

21. As to claims 18 and 19:

Security module provides authentication/authorization services / Back end services to provide applications that establish user sessions, govern user authentication and their entitlements (Page 3, Paragraph 0051, '514), "Back-end Services" (Fig 1, '514)

22. As to claims 20-28 and 29-37:

Claims 20-28 and 29-37 correspond to claims 1-9

### ***Conclusion***

23. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jonathan R Adams whose telephone number is (703) 305-8894. The examiner can normally be reached on Monday – Friday from 10am to 6pm.

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24. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Morse, can be reached on (703) 308-4789. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

  
GREGORY MORSE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2134